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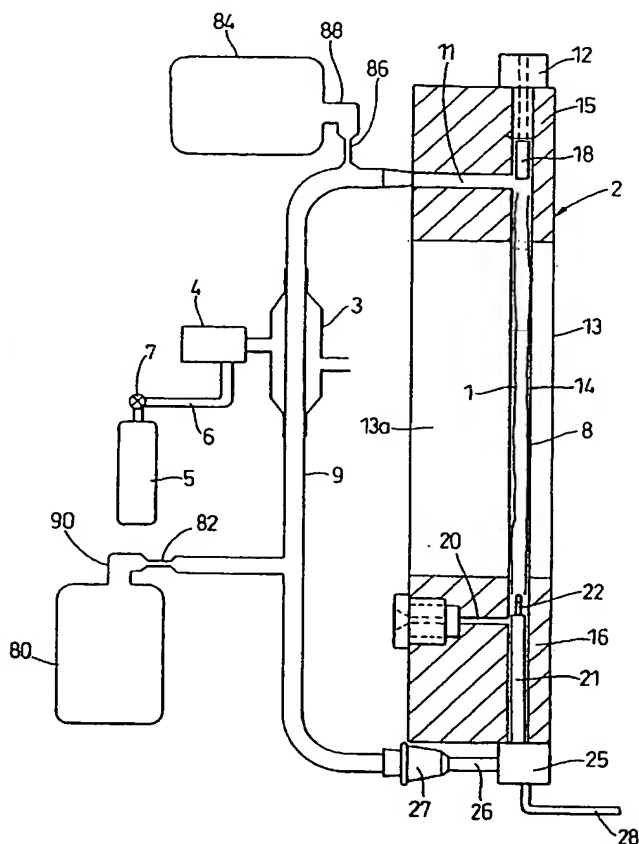
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(54) Title: DEVICES FOR USE IN MEDICINE



(57) Abstract: Disclosed is an organ culture device for culturing a viable organ (1). The device provides culture medium for culturing the viable organ using a pump (3). The pump has a pump chamber (45) located between an inlet and an outlet. The pump provides pulsatile pumping action of the culture medium by repeated deformation of a resilient tubular sidewall (44) of the pump chamber by pressurised gas. The flow path of the culture medium may be circulatory or non-circulatory. The device has a reservoir (70,80) and a collection vessel (74,84) for the culture medium. Gas transfer into and out of the culture medium is also provided. Also disclosed is the pump itself and a gas pressure control device for delivering pulsed pressurised gas, e.g. to the pump.

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